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EXAMINER
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VY, HUNG T

ART UNIT	PAPER NUMBER
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2163

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/757,917

Applicant(s)

SNOW ET AL.

Examiner

Hung T. Vy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 10 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-9, 11-15 and 17 is/are rejected.
- 7) ☒ Claim(s) 5, 10 and 16 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_

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**DETAILED ACTION**

1. As of entry of the amendment filed on 07/10/2007, claims 1-17 are pending in this application. Upon reconsideration, Applicant's arguments with respect to claims 1-17 have been considered and are persuasive. The office action mailed on 04/18/2007 has been withdrawn.

**Claim Rejections - 35 U.S.C. § 103**

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-4, 6-7, 11-14 and 17 is rejected under 35 U.S.C. 103 (a) as being unpatentable over Squeglia et al. (U.S. pub. US 20020156692A1) in view of Grayraud et al. (U.S. Patent No. 5,436,637).

**Regarding claim 1**, Squeglia et al. discloses a method of assisting (*i.e.*, "a wizards module to aid the inspection process. The Wizards, which include standard inspection processes to identify locomotive problems" (0037)) in correct diagnosis of a problem (*i.e.*, "Repair, maintenance, and diagnostic information is exchanged between the portable unit 14 and the MSDC 20" (0024)) exhibited by a product having at least one component part (*i.e.*, "determine that a given component of the locomotive may be on a path toward eventual failure" (0029)), the method comprising: inputting (*i.e.*, "anomalous condition, the on-board monitor automatically transmits this information back to the MDSC20" (0030)) to a database (MDSC 20) a description of the problem (*i.e.*, "To extract this information and provide it to the MDSC 20, the technical may use the video camera or bar code reader in conjunction with the portable unit 14" (0030) or "repair information (for example, fault codes, diagnostic readings, or simple

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*descriptive text) to a repair expert at the monitoring and diagnostic service center 20" (0053) or "a feedback report describing the nature of the problem and repair actions taken. This report is sent to the MDSC 20" (0026)), a part identifier (i.e., "the portable unit 14 includes a bar code scanner for reading the locomotive identification number, part numbers and serial number...a camera for providing visual information back to the MDSC 20" (0051)) for the at least one component part (i.e., "the locomotive identification number" (0053)), a description of the at least one component part (i.e., "diagnostic readings, or simple descriptive text" (0053)), a product identifier (i.e., "part number" (0051)), and at least one hint for assisting in diagnosing the problem (i.e., "The repair expert analyzes the information and produces a recommendation identifying the potential root cause or root cause of the problem" (0028)), generating a hint file (i.e., "to retrieve relevant diagnosis and repair information from the expert repository 42" (0034)) in the database (i.e., "MSDC20" (0029)) and associating it with the at least one component part (i.e., "experts at the monitoring and diagnostic service center 20 determine that a given component of the locomotive may be on a path toward eventual failure" (0029)) ;*

But Squeglia et al. does not disclose downloading the hint file, a parts catalog system in association with the part identifier prior to a request to order to at least one part or an inquiry the part is made to the parts catalog system so that whenever said request to order the at least one part is entered into the parts ordering system or said inquiry for the part is made to the parts catalog system, the hint will be display.

However, Graraud et al. discloses and downloading the hint file (i.e., "a hints module 130 of the present invention for aiding user of the computer 100" (col. 5, line 40-45)) to a parts ordering system and a parts catalog system (Examiner asserts that hints file 130 that already are downloaded and already to display prior the user enter or request (i.e., "When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive

*region" (col. 3, line 55-60) and system 120 can be consider as "parts catalog system" ) in association with the part identifier (i.e., "the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region" (col. 3, line 55-60)) prior to a request to order to at least one part or an inquiry for the part is made (i.e., "When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region" (col. 3, line 55-60) and system 120 can be consider as "parts catalog system") to the parts catalog system so that whenever a request to order the at least one part is entered into the parts ordering system or an inquiry for the part is made to the parts catalog system (Examiner assert that the systems 120 is parts catalog system), the hint will be displayed (i.e., "When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region" (col. 3, line 55-60))" (0056)).*

It would have been to one of ordinary skill in art at the time the invention was made to implement Squeglia et al. 's system with downloading the hint file to the system 120, a parts catalog system in association with the part identifier prior to a request to order to at least one part or an inquiry the part is made to the parts catalog system so that whenever said request to order the at least one part is entered into the parts ordering system or said inquiry for the part is made to the parts catalog system, the hint will be display in order to help user with different techniques to find the accurate part and help the user with highly intuitive including those who are untrained the use of the software since such an arrangement with whenever request to order the at least one part is enter into the system, the hint will be displayed for the stated purpose has been well know in the art as evidenced by teaching of Gayraud et al. (see col. 3, line 1-20).

**Regarding claim 2,** Squeglia et al. discloses further comprising prior to the downloading of the hint file: forwarding the hind file (i.e., *"the diagnosis" (0061)*) to an authorized product team (i.e., *"a recommendation authorizing system 182" (0061)*); and refining (i.e., *"The recommendation can include suggested trouble shooting actions to further refine the repair recommendation" (0034)*) the hint file in accordance with inputs from the authorized product team (i.e., *"suggested repairs based on operational and/or failure information the repair technician, or planned maintenance actions, or field modification or upgrades" (0034)*) .

**Regarding claim 3,** Squeglia et al. discloses further comprising prior to downloading (i.e., *"validates software application prior to loading into a specific locomotive 12" (0041)*) the hint file: for forwarding the hind (i.e., *"a diagnosis or repair" (0040)*) file to an approval organization (54)(i.e., *"if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted" (0041)*) and Examiner asserts that an approval organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040)); and proceeding to download (i.e., *"downloads repair recommendations generated by analysis software" (0026)*) only after approval (i.e., *"validates software application prior to loading into a specific locomotive 12" (0041)*) of the hint file (i.e., *"a diagnosis or repair" (0040)*) by the approval organization (i.e., *"validates software application prior to loading into a specific locomotive 12" (0041)*).

**Regarding claim 4,** Squeglia et al. discloses further comprising prior to downloading (i.e., *"validates software application prior to loading into a specific locomotive 12" (0041)*) the hint file: for forwarding the hind (i.e., *"a diagnosis or repair" (0040)*) file to an approval organization (54)(i.e., *"if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted" (0041)*) and Examiner asserts that an approval

*organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040)); and proceeding to download (i.e., "downloads repair recommendations generated by analysis software" (0026)) only after approval (i.e., "validates software application prior to loading into a specific locomotive 12" (0041)) of the hint file (i.e., "a diagnosis or repair" (0040)) by the approval organization (i.e., "validates software application prior to loading into a specific locomotive 12" (0041)).*

**Regarding claim 6,** Squeglia et al. discloses wherein the displayed (i.e., "assistance to the technician via the portable unit 14" (0026)) hint presents a suggested solution to the problem (i.e., "Problem resolution suggestions and repair actions can be crated prior to access by the repair technician or they can be authored in real time by experts at the monitoring and diagnostic service center" (0026)).

**Regarding claim 7,** Squeglia et al. discloses a method of assisting (i.e., "a wizards module to aid the inspection process. The Wizards, which include standard inspection processes to identify locomotive problems" (0037)) in correct diagnosis of a problem (i.e., "Repair, maintenance, and diagnostic information is exchanged between the portable unit 14 and the MDSC 20" (0024)) exhibited by an automotive vehicle having at least one component part (i.e., "determine that a given component of the locomotive may be on a path toward eventual failure" (0029)), the method comprising:

inputting to a database (MDSC 20) a description of the problem (i.e., "anomalous condition, the on-board monitor automatically transmits this information back to the MDSC20" (0030), "To extract this information and provide it to the MDSC 20, the technical may use the video camera or bar code reader in conjunction with the portable unit 14" (0030) or "repair information (for example, fault codes, diagnostic readings, or simple descriptive text) to a repair expert at the monitoring and diagnostic service center 20"(0053) or "a feedback report describing the nature of the problem and repair actions taken. This report is sent to the MDSC 20" (0026))), a part identifier for the at least one component part (i.e., "the portable unit 14 includes a bar code scanner for reading the locomotive identification number, part numbers and serial number...a camera for providing visual information back to the MDSC 20" (0051), "the locomotive identification number" (0053)) a

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description of the component part (*i.e.*, “*diagnostic readings, or simple descriptive text*” (0053)), a vehicle platform identifier, and at least one hint for assisting in diagnosing the problem (*i.e.*, “*The repair expert analyzes the information and produces a recommendation identifying the potential root cause or root cause of the problem*” (0028), “*which may be part of a large fleet, such as trucks, ships, off-road vehicles*” (0023));

generating a hint file in the database and associating it with the at least one component part (*i.e.*, “*to retrieve relevant diagnosis and repair information from the expert repository 42*” (0034), “*to retrieve relevant diagnosis and repair information from the expert repository 42*” (0034), and “*experts at the monitoring and diagnostic service center 20 determine that a given component of the locomotive may be on a path toward eventual failure*” (0029));

forwarding the hint file to an authorized vehicle platform team (*i.e.*, “*a recommendation authorizing system 182*” (0061));

refining the hint file in accordance with input from the authorized vehicle platform team (*i.e.*, “*The recommendation can include suggested trouble shooting actions to further refine the repair recommendation.. suggested repairs based on operational and/or failure information the repair technician, or planned maintenance actions, or field modification or upgrades*” (0034)).

forwarding the refined hint file to an approval organization for review (*i.e.*, “*if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted*” (0041) and Examiner asserts that an approval organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040)), further refinement if necessary, and approval, resulting in an approved hint file (*i.e.*, “*Diagnosis information can be returned to the MDSC 20 in real time via the portable unit 14 for further analysis in the development and refinement of a repair recommendation*” (0034) ); and



But Squeglia et al. does not discloses downloading the hint file, a parts catalog system in association with the part identifier prior to a request to order to at least one part or an inquiry the part is made to the parts catalog system so that whenever said request to order the at least one part is entered into the parts ordering system or said inquiry for the part is made to the parts catalog system, the hint will be display.

However, Graraud et al. discloses and downloading the hint file (*i.e.*, "a hints module 130 of the present invention for aiding user of the computer 100" (col. 5, line 40-45)) to a parts ordering system and a parts catalog system (*Examiner asserts that hints file 130 that already are downloaded and already to display prior the user enter or request (i.e., "When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region" (col. 3, line 55-60) and system 120 can be consider as "parts catalog system" ) in association with the part identifier (i.e., "the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region" (col. 3, line 55-60)) prior to a request to order to at least one part or an inquiry for the part is made (i.e., "When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region" (col. 3, line 55-60) and system 120 can be consider as "parts catalog system") to the parts catalog system so that whenever a request to order the at least one part is entered into the parts ordering system or an inquiry for the part is made to the parts catalog system (Examiner assert that the systems 120 is parts catalog system), the hint will be displayed (i.e., "When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region" (col. 3, line 55-60)" (0056)).*

It would have been to one of ordinary skill in art at the time the invention was made to implement Squeglia et al. 's system with downloading the hint file to the system

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120, a parts catalog system in association with the part identifier prior to a request to order to at least one part or an inquiry the part is made to the parts catalog system so that whenever said request to order the at least one part is entered into the parts ordering system or said inquiry for the part is made to the parts catalog system, the hint will be display in order to help user with different techniques to find the accurate part and help the user with highly intuitive including those who are untrained the use of the software since such an arrangement with whenever request to order the at least one part is enter into the system, the hint will be displayed for the stated purpose has been well know in the art as evidenced by teaching of Gayraud et al. (see col. 3, line 1-20).

**Regarding claim 11**, Squeglia et al. discloses wherein the displayed (*i.e.*, *"assistance to the technician via the portable unit 14" (0026)*) hint presents a suggested solution to the problem (*i.e.*, *"Problem resolution suggestions and repair actions can be crated prior to access by the repair technician or they can be authored in real time by experts at the monitoring and diagnostic service center" (0026)*).

**With respect to claim 12**, Squeglia et al. discloses an arrangement for assisting (*i.e.*, *"a wizards module to aid the inspection process. The Wizards, which include standard inspection processes to identify locomotive problems" (0037)*) in correct diagnosis of a problem (*i.e.*, *"Repair, maintenance, and diagnostic information is exchanged between the portable unit 14 and the MSDC 20" (0024)*) exhibited by a product having at least one component part (*i.e.*, *"determine that a given component of the locomotive may be on a path toward eventual failure" (0029)*), the arrangement comprising: a database (MDSC 20) and associated database engine (*i.e.*, *"Various exemplary databases and*

*modules to which users" (0031)) adapted to communicate (see fig. 2) with a plurality of organizations (i.e., "The databases and modules are also linked bi-directionally so that the technician can move seamlessly from one to the other either manually or automatically through a hyperlinked process wherever the required information is stored in more than one location" (0031)) within an entity responsible for distributing (i.e., "Information regarding the number of parts in inventory and the location of such parts (for example, in the geographically distributed inventory shops maintained by the railroad or party providing repair service" (0045)) the at least one component part to product customers (i.e., "service yard" (element 13) (fig. 1)), a parts ordering system (58)(fig. 2) and a parts communication catalog system (22) (fig. 1) coupled for with the database and with at least one parts and service providing entity for the product (Examiner asserts that portable unit connects to the databases all the time (i.e., "all the databases and modules discussed above are available seven days a week and 24 hour a day from the portable unit 14"(0050) so when parts-ordering module 58 makes order the part (i.e., "the locomotive identification number" (0046), all information about the identifier part, diagnostic are download in the portable unit 14 from different databases as a repair information vault, MSDC20 etc. ),*

*wherein the database (MDSC 20) is operative to receive from at least one of the plurality of organizations a description of the problem (i.e., "anomalous condition, the on-board monitor automatically transmits this information back to the MDSC20" (0030) or "To extract this information and provide it to the MDSC 20, the technical may use the video camera or bar code reader in conjunction with the portable unit 14" (0030) or "repair information (for example, fault codes, diagnostic readings, or simple descriptive text) to a repair expert at the monitoring and diagnostic service center 20"(0053) or "a feedback report describing the nature of the problem and repair actions taken. This report is sent to the MDSC 20" (0026)), a part identifier for the at least one component part (i.e., "to identify locomotive problems, present the inspection process in a step-by-step procedure that eliminates guesswork on the part of the technician" (0037) or "the order is configured to identify respective parts and quantity thereof to be made available for said service site"*

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(0010) or "the portable unit 14 includes a bar code scanner for reading the locomotive identification number, part numbers and serial number...a camera for providing visual information back to the MDSC 20"(0051)), a product identifier and at least one hint for is operative to receive from at least one of assisting in diagnosing the problem (i.e., "part number" (0051) or "The repair expert analyzes the information and produces a recommendation identifying the potential root cause or root cause of the problem" (0028)), to generate a hint file in the database (MDSC 20), associated with the at least one component part (i.e., "to retrieve relevant diagnosis and repair information from the expert repository 42" (0034) and "experts at the monitoring and diagnostic service center 20 determine that a given component of the locomotive may be on a path toward eventual failure" (0029)), and to download the hint file to the parts ordering system and the parts catalog system prior to receiving a request or an inquiry for the at least one component; and (i.e., "The portable unit 14 downloads repair recommendations generated by analysis software and/or locomotive repair experts at the MDSC20" (0026) and Examiner asserts that portable unit is connected to the databases at all the time as such download diagnostic merely requires an input comment (i.e., "all the databases and modules discussed above are available seven days a week and 24 hour a day from the portable unit 14"(0050) so when parts-ordering module 58 makes order the part (i.e., "the locomotive identification number" (0046), all information about the identifier part, diagnostic are download in the portable unit 14 from different databases as a repair information vault, MSDC20 etc. and before technical makes order the part by using the portable unit 11 and the module system, the module system and portable unit 14 has all the diagnostics, hint and a repair information 56 in the system (i.e., "the portable unit 14 to the diagnosis and repair system, 140 transferring the repair recommendation and relevant technical documentation to the portable unit 14, synchronizing clock times, validating the identity of the technical using the portable unit 14" (0064))) But Squeglia et al. does not disclose downloading the hint file, a parts catalog system in association with the part identifier prior to a request to order to at least one part or an inquiry the part is made to the parts catalog system so that whenever said

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request to order the at least one part is entered into the parts ordering system or said inquiry for the part is made to the parts catalog system, the hint will be display.

However, Graraud et al. discloses and downloading the hint file (*i.e.*, “a hints module 130 of the present invention for aiding user of the computer 100” (col. 5, line 40-45)) to a parts ordering system and a parts catalog system (*Examiner asserts that hints file 130 that already are downloaded and already to display prior the user enter or request (i.e., “When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region” (col. 3, line 55-60) and system 120 can be consider as “parts catalog system” ) in association with the part identifier (i.e., “the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region” (col. 3, line 55-60)) prior to a request to order to at least one part or an inquiry for the part is made (i.e., “When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region” (col. 3, line 55-60) and system 120 can be consider as “parts catalog system”) to the parts catalog system so that whenever a request to order the at least one part is entered into the parts ordering system or an inquiry for the part is made to the parts catalog system (*Examiner assert that the systems 120 is parts catalog system*), the hint will be displayed (*i.e.*, “When the screen cursor touches an object (e.g., enter a button) of interest, the system identifier the object with an appropriate descriptor hint displayed in the on-intrusive region” (col. 3, line 55-60)” (0056)).*

It would have been to one of ordinary skill in art at the time the invention was made to implement Squeglia et al. 's system with downloading the hint file to the system 120, a parts catalog system in association with the part identifier prior to a request to order to at least one part or an inquiry the part is made to the parts catalog system so that whenever said request to order the at least one part is entered into the parts

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ordering system or said inquiry for the part is made to the parts catalog system, the hint will be display in order to help user with different techniques to find the accurate part and help the user with highly intuitive including those who are untrained the use of the software since such an arrangement with whenever request to order the at least one part is enter into the system, the hint will be displayed for the stated purpose has been well know in the art as evidenced by teaching of Gayraud et al. (see col. 3, line 1-20).

**With respect to claim 13**, Squeglia et al. discloses the plurality of organizations include a team of specialists for the product (*i.e.*, *"the repair expert 142 in formulating the repair recommendation" (0066)*), wherein the database engine (*i.e.*, *"various exemplary databases and the module system" (0031)*) is further operative to forward the hint file to the team for refining the file (*i.e.*, *"The recommendation can include suggested trouble shooting actions to further refine the repair recommendation" (0034)*).

**With respect to claim 14**, Squeglia et al. discloses wherein the plurality of organizations includes an approval organization (*i.e.*, *"if the software version is not compatible with other hardware or software components of the locomotive 12, approval for integration will not be granted" (0041)* and Examiner asserts that an approval organization proceeding to download only after the portal or a specific locomotive has compatible hardware or software (0040)); and wherein the database engine (*i.e.*, *"various exemplary databases and the module system" (0031)*) is further operative to inhibit downloading of the hint file until receipt of approval from the approval organization (*i.e.*, *"validates software application prior to loading into a specific locomotive 12" (0041)*).

**Regarding claim 17**, Squeglia et al. discloses wherein the displayed (*i.e.*, *"assistance to the technician via the portable unit 14" (0026)*) hint presents a suggested solution to the problem (*i.e.*, *"Problem resolution suggestions and repair actions can be crated prior to access by the*

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*repair technician or they can be authored in real time by experts at the monitoring and diagnostic service center"*

(0026)).

**Claim Rejections - 35 U.S.C. § 103**

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

a. Claim 9 is rejected under 35 U.S.C. 103 (a) as being unpatentable over

Squeglia et al. (U.S. pub. US 20020156692A1) and Grayraud et al. (U.S. Patent

No. 5,436,637) and further in view of Demetriades et al. (U.S. Pub. No.

2004/0010578).

**Regarding claim 9**, Squeglia et al. and Grayraud et al. discloses all limitation claimed invention recited in claim 7 excepted for translation service. However, Demetriades et al discloses the translation service (see paragraph 0161). It would have been to one of ordinary skill in art at the time the invention was made to implement Squeglia et al. and Grayraud 's system with the translation service in order to have different kind of country can have service with the same system and making the system more useful since such an arrangement with translation service for the stated purpose has been well know in the art as evidenced by teaching of Demetriades et al. (see paragraph 0161).

b. Claims 8 and 15 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Squeglia et al. (U.S. pub. US 20020156692A1) and Grayraud

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et al. (U.S. Patent No. 5,436,637) and further in view of Griffiths (U.S. Pub. No. 2002/0116316).

**Regarding claims 8 and 15**, Squeglia et al. and Grayraud et al. discloses all limitation claimed invention recited in claim 7 excepted for preventing a completion of placing an order to the at least one part until a requester enters an acknowledgement to the parts ordering system acknowledging that the hint has been displayed. However, Griffiths discloses preventing a completion of placing an order to the at least one part until a requester enters an acknowledgement to the parts ordering system acknowledging that the hint has been displayed (*i.e.*, “listing registration system 402 can interface with existing users of an auction system 104 and can present them with additional contractual **obligations** that may need to be **entered into in order to allow their listing to be placed** on other auction systems” (0042) and Examiner asserts that “to allow the listing” is the same limitation “completion placing an order for the at least one part” and “additional contractual obligations” is equivalent with limitation of “enters an acknowledgement” of claimed invention). It would have been to one of ordinary skill in art at the time the invention was made to implement Squeglia et al. and Grayraud ‘s system with created condition before to place order in order to make sure that user places an order with the accurate part and while preventing the lot from inadvertently being awarded to two different bidders (user placing an order) since such an arrangement with condition for the stated purpose has been well know in the art as evidenced by teaching of Griffiths (0042).

### **Allowable Subject Matter**

1. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base



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claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a method of assisting in correct diagnosis of problem exhibited by a product having a least one component part wherein the displayed hint alert a viewer that the problem will not be solved by replacement of the at least one component.

2. Claim 10 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a method of assisting in correct diagnosis of problem exhibited by an automotive vehicle having at least one component part having a least one component part wherein the displayed hint alert a viewer that the problem will not be solved by replacement of the at least one component.

3. Claim 16 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a an arrangement for assisting in correct diagnosis of a problem exhibited by a product having at least one component part, the arrangement comprising the displayed hint alert a viewer that the problem will not be solved by replacement of the at least one component.

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**Response to Arguments**

4. Applicant's arguments with respect to claims 1-17 filed on 12/19/2006 have been considered but are moot in view of the new ground(s) of rejection.

**Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung T. Vy whose telephone number is (571) 2721954. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don K. Wong can be reached on (571) 2721934. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Hung T. Vy  
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September 13, 2007